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Amendments to the Claims:

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

8/27/07

Listing of Claims:

1. (Currently Amended) A reactive coating composition for the stabilization of a heavy metal contained in a paint layer on a surface, said coating composition comprising:
- a) at least about 3 weight percent of a heavy metal stabilizing agent;
 - b) at least about 1 weight percent of a permeability enhancing agent adapted to increase the permeability of the heavy metal stabilizing agent into the paint layer, where the permeability enhancing agent is selected from the group consisting of sodium hydroxide, N-Methyl-2-Pyrrolidone, ethyl lactate and dimethyl sulfoxide; and
 - c) the balance comprising a vehicle including at least a binder, wherein said coating composition adheres to said paint layer and forms a complex heavy metal compound having reduced leachability.
2. (Original) A reactive coating composition as recited in Claim 1, wherein said heavy metal stabilizing agent is selected from the group consisting of flocculants, coagulants, precipitants, complexing agents, epoxy agents and adsorbents.
3. (Original) A reactive coating composition as recited in Claim 1, wherein said heavy metal stabilizing agent is selected from the group consisting of phosphate compounds, silicate compounds, carbonate compounds and sulfide compounds.
4. (Original) A reactive coating composition as recited in Claim 1, wherein said heavy metal stabilizing agent comprises a phosphate compound.
5. (Original) A reactive coating composition as recited in Claim 1, wherein said heavy metal stabilizing agent comprises triple superphosphate.
6. (Original) A reactive coating composition as recited in Claim 1, wherein said heavy metal stabilizing agent is in the form of a solid dispersed in said coating composition.

7. (Original) A reactive coating composition as recited in Claim 6, wherein said heavy metal stabilizing agent comprises particles of a phosphate compound having an average particle size of not greater than about 250 µm.

8. (Original) A reactive coating composition as recited in Claim 1, wherein said heavy metal stabilizing agent is in the form of a liquid dispersed in said coating composition.

9. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition comprises from about 5 weight percent to about 60 weight percent of said heavy metal stabilizing agent.

10. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition comprises from about 20 to about 40 weight percent of said heavy metal stabilizing agent.

11. (Original) A reactive coating composition as recited in Claim 1, wherein said permeability enhancing agent comprises sodium hydroxide.

12. (Original) A reactive coating composition as recited in Claim 1, wherein said permeability enhancing agent comprises N-Methyl-2-Pyrrolidone.

13. (Original) A reactive coating composition as recited in Claim 1, wherein said permeability enhancing agent comprises ethyl lactate.

14. (Canceled Herein)

15. (Original) A reactive coating composition as recited in Claim 1, wherein said permeability enhancing agent comprises dimethyl sulfoxide.

16. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition comprises at least about 3 weight percent of said permeability enhancing agent.

17. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition comprises from about 5 weight percent to about 25 weight percent of said permeability enhancing agent.

18. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition comprises from about 5 weight percent to about 10 weight percent of said permeability enhancing agent.

19. (Original) A reactive coating composition as recited in Claim 1, wherein said vehicle further comprises water.

20. (Original) A reactive coating composition as recited in Claim 1, wherein said vehicle is a latex-based paint composition.

21. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition has a VOC content of not greater than about 250 g/l.

22. (Original) A reactive coating composition as recited in Claim 1, wherein said binder is selected from the group consisting of alkyd resin, polyurethane, acrylic resin, polyvinyl acetate, ethylene glycol and mixtures thereof.

23. (Original) A reactive coating composition as recited in Claim 1, wherein said coating composition further comprises a pigment.

24. (Original) A reactive coating composition for the stabilization of a heavy metal contained in a paint layer on a surface, said coating composition comprising:

- a) from about 5 weight percent to about 60 weight percent of a heavy metal stabilizing phosphate compound;
- b) from about 5 weight percent to about 25 weight percent of a permeability enhancing agent comprising N-Methyl-2-Pyrrolidone; and
- c) the balance comprising a vehicle including at least a binder, wherein said coating composition adheres to said paint layer and forms a complex heavy metal compound having reduced leachability.

25. (Original) A reactive coating composition as recited in Claim 24, wherein said phosphate compound comprises triple superphosphate.

26. (Original) A reactive coating composition as recited in Claim 24, wherein said vehicle further comprises water.

27. (Original) A reactive coating composition as recited in Claim 24, wherein said coating composition comprises from about 10 to about 40 weight percent of said phosphate compound.

28. (Original) A reactive coating composition as recited in Claim 24, wherein said coating composition comprises from about 5 weight percent to about 10 weight percent of said N-Methyl-2-Pyrrolidone.

29. (Original) A reactive coating composition as recited in Claim 24, wherein said vehicle is a latex-based paint composition.

30. (Original) A reactive coating composition as recited in Claim 24, wherein said binder is selected from the group consisting of alkyd resin, polyurethane, acrylic resin, polyvinyl acetate, ethylene glycol and mixtures thereof.

31. (Original) A reactive coating composition as recited in Claim 24, wherein said coating composition further comprises a pigment.

32. (Currently Amended) A method for making a reactive coating composition adapted to react with a heavy metal to form a complex heavy metal compound with reduced leachability, comprising the steps of:

- a) providing a water-based paint composition;
- b) adding at least about 3 weight percent of a heavy metal stabilizing agent to said water-based paint composition; and
- c) adding at least about 1 weight percent of a permeability enhancing agent to said water-based paint composition, where the permeability enhancing agent is selected from the group consisting of sodium hydroxide, N-Methyl-2-Pyrrolidone, ethyl lactate and dimethyl sulfoxide.

33. (Original) A method as recited in Claim 32, wherein said water-based paint composition is a latex paint composition.

34. (Original) A method as recited in Claim 32, wherein said heavy metal stabilizing agent comprises triple superphosphate.

35. (Original) A method as recited in Claim 32, wherein said triple superphosphate has a particle size of not greater than about 250 μm .

36. (Original) A method as recited in Claim 32, wherein said heavy metal stabilizing agent is added in an amount of from about 10 weight percent to about 40 weight percent.

37. (Canceled Herein)

38. (Original) A method as recited in Claim 32, wherein said permeability enhancing agent comprises N-Methyl-2-Pyrrolidone.

39. (Original) A method as recited in Claim 32, wherein said permeability enhancing agent is added in an amount of from about 5 weight percent to about 25 weight percent.

40. (Original) A method as recited in Claim 32, further comprising the step of adding additional water to said water-based paint composition.

41-69 (Previously Cancelled)